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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Surajit Chatterjee

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EXAMINER

FATEHI, PARHAM R

ART UNIT

PAPER NUMBER

2194

MAIL DATE

DELIVERY MODE

10/19/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/797,177

Applicant(s)

CHATTERJEE, SURAJIT ET AL.

Examiner

Parham (Paul) R. Fatehi

Art Unit

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08/02/2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 4-17 and 20-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 4-17, and 20-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

WILLIAM THOMSON
SENIOR PATENT EXAMINER

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

1. Examiner received Applicant's Reply to Office Action on 08/02/2007. Claims 1, 4-17 and 20-30 are pending in this application.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 4-12, 15-17, 20-22, 25-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saare et Al. (US 2005/0015772) [hereafter Saare] in view of Omori et Al. (US 2002/0184405) [hereafter Omori].
4. As per Claims 1, 17 and 21, Saare explicitly discloses a method for managing workflow for an application, obtaining an application adapter associated with the application (Par. 51, ln. 12-14, "modules act as an adapter between the underlying applications" and & Par. 2, ln. 1-11, managing services/workflow); wherein the application adapter specifies a sub-task (Par. 56, ln. 2-4, adapter specifies a subtask); performing an action associated with the sub-task (Par. 56, ln. 1-12, performing action associated with sub-task); a system for managing workflow for an application, comprising an application, (Par. 2, ln. 1-11,

managing services/workflow); wherein the action is associated with a sub-task (Par. 56, ln. 1-12, action is associated with sub-task); authenticating a user; and retrieving a profile associated with the user, if the user is authenticated, wherein the profile comprises the application adapter (Par. 59, ln. 17-19, "authenticating a user and retrieving a profile & Par. 40, ln. 1-6, "profile in Identity module 360 which comprises application adapter module 300); an authentication infrastructure configured to authenticate a user and retrieve a profile associated with the user when the user is authenticated, wherein the profile comprises the application adapter (Par. 59, ln. 17-19, "authenticating a user and retrieving a profile & Par. 40, ln. 1-6, "profile in Identity module 360 which comprises application adapter module 300); the profile is a single sign-on profile (Par. 59, ln. 17-19, profile is single sign-on).

5. Saare does not explicitly disclose monitoring the application to obtain a state; if the state is associated with the sub-task; wherein the application comprises a state; an application adapter configured to define an action associated with the state; an application adapter runtime configured to monitor the application and perform the action when the state is encountered.
6. Whereas, Omori discloses a system that monitors an application to obtain a state (Par. 124, ln. 1-5, monitor), if the state is associated with the sub-task (Par. 124, ln. 1-3, if the state is associated with the sub-task), wherein the application

comprises a state (Par. 133, ln. 1-3), an application adapter configured to define an action associated with the state (Par. 22, ln. 1-4), an application adapter runtime configured to monitor the application and perform the action when the state is encountered (Par. 124, ln. 1-5, monitor). One having ordinary skill in the art, at the time the invention was made, would have modified the teachings of Saare to include the method and recording and using application states for providing information processing services as taught by Omori in order to reduce labor in managing and using applications.

7. As per Claim 4, the teachings of Saare in view of Omori substantially disclose the invention as claimed and further disclose generating the application adapter; and associating the application adapter with the profile (Par. 59, ln. 1-19, application adapter is generated and associated with profile that can be stored)
8. As per Claim 5, the teachings of Saare in view of Omori substantially disclose the invention as claimed and further disclose wherein generating the application adapter comprises: selecting a task (Par. 31, ln. 10-12, selecting task); specifying the sub-task associated with the task (see Abstract, ln. 13-15, sub-process of a task & Par. 56, ln. 1-3, sub-function of applications); generating the application adapter using the state associated with the sub-task and the action (Par. 56, ln. 1-12, application adapter and sub-task); specifying a means for recording the state associated with the sub-task recording the state using the means for

recording the state (Omori, Par. 20-Par. 22, recording data that represents the state of service/sub-task); specifying the action to perform when the state associated with the sub-task is encountered (Omori, Par. 22, ln. 1-4, performing the action asserted with the sub-task) As to the motivation for combining Saare with Omori, see the rejection of claim 1 above.

9. As per Claims 6, 7, 28 and 29, the teachings of Saare in view of Omori substantially disclose the invention as claimed and further disclose the application adapter comprises an initialization portion and a script portion, the script portion comprises the action (Pg. 7, ln. 22-25, discloses module launches application and since initialization portion includes information about how the app is launched, it is inherent that the adapter/module includes an initialization portion.
10. As per Claim 8, the teachings of Saare in view of Omori substantially disclose the invention as claimed and further disclose the means for recording the associated state comprises at least one selected from the group consisting of auto-state configuration mechanism and manual-state configuration mechanism (Omori, Fig. 2, #16 & #13 & Par. 91, ln. 1-6, a state recording mechanism is disclosed where it is inherent that recording can be auto or manually configured). As to the motivation for combining Saare with Omori, see the rejection of claim 1 above.

11. As per Claim 9, the teachings of Saare in view of Omori substantially disclose the invention as claimed and further disclose performing the action comprises passing a local parameter to the application (Omori, Par. 80-81, discloses API usage, where typically, the protocol for parameter passing is to pass a space pointer that points to the information being passed and as such, API usage inherently includes passing a local parameter). As to the motivation for combining Saare with Omori, see the rejection of claim 1 above.
12. As per Claims 10 & 25, the teachings of Saare in view of Omori substantially disclose the invention as claimed and further disclose the subtask is associated with a task (col. 56, ln. 1-3, where the sub-function is associated with the service)
13. As per Claim 11 & 26, the teachings of Saare in view of Omori substantially disclose the invention as claimed and further disclose the task is at least one selected from the group consisting of a pre-login task, a login task, a post-login task, a logout task, and a pre-termination task (Par. 31, ln. 11-12, tasks are run, & Par. 39, ln. 17-19, login & Par. 40, ln. 1-6, tasks / channels, login and single sign-on, all steps as claimed are disclosed in the method)
14. As per Claims 12 & 22, the teachings of Saare in view of Omori substantially disclose the invention as claimed and further disclose the sub-task comprises at least one selected from the group consisting of a pre-state setting, the action, and a post-

state setting (Omori, Par. 124-Par. 125, monitoring to obtain state is the pre-state, Par. 25, ln. 1-2, executing is the action as claimed & Par. 164, ln. 6-7, post-processing is post-state). As to the motivation for combining Saare with Omori, see the rejection of claim 1 above.

15. As per Claim 15 & 27, the teachings of Saare in view of Omori substantially disclose the invention as claimed and further disclose the action comprises functionality to navigate the user to a particular point in the application, the action is configured to navigate the user to a particular point in the application (Omori, Par. 22, ln. 1-4, user can get to a point in application). As to the motivation for combining Saare with Omori, see the rejection of claim 1 above.

16. As per Claim 16, the teachings of Saare in view of Omori substantially disclose the invention as claimed and further disclose the application adapter is interpreted using an application adapter runtime (Omori, Par. 124, ln. 1-5, monitor serves as a application adapter runtime). As to the motivation for combining Saare with Omori, see the rejection of claim 1 above.

17. As per Claim 20, the teachings of Saare in view of Omori substantially disclose the invention as claimed and further disclose a database configured to store the profile (Fig. 2, #120, storage database & Par. 40, ln. 4, single sign-on).

18. As per Claim 30, the teachings of Saare in view of Omori substantially disclose the invention as claimed and further disclose the state comprises at least one application selected from the group consisting of text, window title, parent and child windows, and control ids (Omori, Par. 33, ln. 6, process state of app inherently includes application UI such as windows, text, titles, control, etc.). As to the motivation for combining Saare with Omori, see the rejection of claim 1 above.
19. Claim 13, 14, 23 & 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saare as modified by Omori, and further in view of Pace et Al. (US 2003/0101223) [hereafter Pace].
20. As per Claims 13, 14, 23 & 24 the teachings of Saare in view of Omori substantially disclose the invention as claimed but fail to further disclose that the sub-task comprises a dynamic variable; the action comprises functionality to use the dynamic variable to navigate the user to a particular point in the application
21. Whereas, Pace discloses the sub-task comprises a dynamic variable, the action comprises functionality to use the dynamic variable to navigate the user to a particular point in the application (P. 445, ln. 1-3, dynamic link library inherently includes dynamic variables which can point to a point in the application). One having ordinary skill in the art at the time the invention was made would have

modified the teachings of Saare in view of Omori to further include a method of dividing network application system into multiple tiers by using dynamic link libraries as taught by Pace in order to optimize the application system and facilitate the development and deployment of various computing resources, a motivation which can be found in the teachings of Pace itself.

Response to Arguments

22. Applicant's arguments filed 08/02/2007 have been fully considered but they are not persuasive. Applicant is encouraged to review the ruling of KSR International Co. v. Teleflex, Inc., et al.

Conclusion

23. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

24. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will


the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

25. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Parham (Paul) R. Fatehi whose telephone number is 571-270-1407. The examiner can normally be reached on M-Th 9:30AM-8PM EST, off Fridays.
26. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Thomson can be reached on (571)272-3718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
27. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service

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Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Paul Fatehi
AU 2194


10/14/2007


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